

**Listing of the Claims**

1. (Currently Amended) A system ~~for detecting bit errors within a received bit stream, the system~~ comprising:
  - a bit stream comparison unit ~~that is adapted~~ to compare a first bit value sequence of the received bit stream to a second bit value sequence associated with a transmitted bit stream to detect a sequence difference between the first and second bit value sequences; and
  - a multi-source agreement compliant electrical connector, ~~wherein the multi-source agreement compliant electrical connector is adapted~~ to convey the transmitted and received bit streams and, wherein the multi-source agreement compliant electrical connector is in communication with coupled to the bit stream comparison unit, and wherein the multi-source agreement compliant electrical connector is ~~adapted to be directly mechanically and electrically coupled couples~~ to a multi-source agreement compliant device.
2. (Original) The system of claim 1, wherein the bit stream comparison unit and the multi-source agreement compliant electrical connector are integrated on a circuit substrate.
3. (Original) The system of claim 2, wherein the circuit substrate is a printed circuit board.

4. (Original) The system of claim 1, wherein the multi-source agreement compliant device is an optical transceiver.

Claims 5-22 (Withdrawn)